

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/010466

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07D239/48 C07D405/12 C07D403/12 C07D401/12 C07D401/14
A61K31/506 A61K35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/066601 A (SMITHKLINE BEECHAM CORP ; VEAL JAMES MARVIN (US); CHEUNG MUI (US); NAI) 14 August 2003 (2003-08-14) page 2, line 31 - page 3, line 24 page 26, line 30 - page 30, line 27 page 57 - page 77; examples 1-45 -----	1-8
X	WO 01/64656 A (PEARSON STUART ERIC ; PEASE ELIZABETH JANET (GB); ASTRAZENECA UK LTD () 7 September 2001 (2001-09-07) page 22, line 27 page 27, line 19 - line 23 page 31 - page 43; examples 1-41 ----- -/-	1-8

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

1 December 2004

Date of mailing of the International search report

23/12/2004

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Büttner, U

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/010466

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97/19065 A (CELLTECH THERAPEUTICS LTD ; DAVIS PETER DAVID (GB); MOFFAT DAVID FESTU) 29 May 1997 (1997-05-29) page 14, line 30 – line 35 page 51 – page 64; compounds 90-125 -----	1-8
X	WO 03/074515 A (CHAMBERLAIN STANLEY DAWES ; SMITHKLINE BEECHAM CORP (US); CHEUNG MUI () 12 September 2003 (2003-09-12) page 125 – page 220; examples 1-239 page 47, line 15 – line 18 -----	1-8
X	WO 03/030909 A1 (BAYER CORPORATION, USA) 17 April 2003 (2003-04-17) page 2, line 32 – page 3, line 2 examples 12,72-153 -----	1-8
X	WO 03/018021 A1 (AMGEN INC., USA) 6 March 2003 (2003-03-06) page 186, line 15 – page 189, line 8; examples 66-306 -----	1-8
P,X	WO 03/078404 A1 (NOVARTIS A.-G., SWITZ.; NOVARTIS PHARMA G.M.B.H.) 25 September 2003 (2003-09-25) page 8 – page 21; claims 1,4-10; compounds 1-241 -----	1-8
P,X	WO 2004/056786 A (KATH JOHN CHARLES ; LUZZIO MICHAEL JOSEPH (US); PFIZER PROD INC (US)) 8 July 2004 (2004-07-08) page 24, line 8 – line 35 page 28, line 25 – line 32 page 49 – page 50; examples 1,2 page 81; example 58 -----	1-8
P,X	WO 2004/074244 A (SMITHKLINE BEECHAM CORP ; NEEB MICHAEL J (US); DAVIS-WARD RONDA (US);) 2 September 2004 (2004-09-02) page 96; example 39 -----	1-8
E	WO 2004/080980 A (NOVARTIS PHARMA GMBH ; NOVARTIS AG (CH); GARCIA-ECHEVERRIA CARLOS (CH)) 23 September 2004 (2004-09-23) the whole document -----	1-8

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2004/010466

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 1-4 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/010466

Patent document cited in search report	Publication date		Patent family member(s)		Publication date
WO 03066601	A	14-08-2003	CA 2476281 A1 EP 1472233 A1 WO 03066601 A1		14-08-2003 03-11-2004 14-08-2003
WO 0164656	A	07-09-2001	AU 3397901 A BR 0108879 A CA 2398887 A1 CN 1416423 T EP 1278735 A1 WO 0164656 A1 JP 2003525279 T MX PA02007581 A NO 20024126 A NZ 520502 A US 2003181474 A1 ZA 200206192 A		12-09-2001 29-04-2003 07-09-2001 07-05-2003 29-01-2003 07-09-2001 26-08-2003 13-12-2002 29-08-2002 28-05-2004 25-09-2003 26-11-2003
WO 9719065	A	29-05-1997	AU 7631496 A DE 69627179 D1 DE 69627179 T2 EP 0862560 A1 ES 2195020 T3 WO 9719065 A1 US 6235746 B1 US 5958935 A		11-06-1997 08-05-2003 29-01-2004 09-09-1998 01-12-2003 29-05-1997 22-05-2001 28-09-1999
WO 03074515	A	12-09-2003	WO 03074515 A1		12-09-2003
WO 03030909	A1	17-04-2003	NONE		
WO 03018021	A1	06-03-2003	US 2004063705 A1 CA 2457838 A1 EP 1427421 A1		01-04-2004 06-03-2003 16-06-2004
WO 03078404	A1	25-09-2003	NONE		
WO 2004056786	A	08-07-2004	WO 2004056807 A1 WO 2004056786 A2 NL 1025067 A1 NL 1025071 A1 US 2004220177 A1		08-07-2004 08-07-2004 22-06-2004 22-06-2004 04-11-2004
WO 2004074244	A	02-09-2004	WO 2004074244 A2		02-09-2004
WO 2004080980	A	23-09-2004	WO 2004080980 A1		23-09-2004